

COAL TECHNOLOGY INFORMATION CENTRE

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COAL TECHNOLOGY INFORMATION CENTRE

COAL -ABSTRACTS INDEX

1980

VOLUME THREE

INTRODUCTION

The Coal Technology Information Centre was established in April 1978, as part of the Alberta Research Council. The Centre, which is funded by the Alberta Department of Energy and Natural Resources, acts as an agency through which information can be furnished to Government Departments, Industry and

As well as maintaining and updating a computerized searchable databank, the Centre provides a published The objective of the Coal Technology Information Centre is to identify, collect, index, store, retrieve and disseminate information related to the winning and subsequent processing of coal. cummulative edition and a semi-annual update.

The published Index consists of three volumes.

VOLUME ONE: List of Holdings - consists of identifier, title, author, source and other relevant information related to each document in the databank.

example:

0178 84 (*) Article, Gasification

Proceedings of the 13th Intersociety Energy Conversion Engineering Conference, Volume 1, San-Diego, By Strickland, L.D. / Martin, J.W. / Liberatore, A.J. Morgantown Energy Research Center, Design considerations for an in-situ gasification test of Eastern bituminous coals Morgantown, West Virginia

California, p. 355 – 365 Aug. 1978

(*) means a table of contents for this document is available on-line.

(a) Identifier:

Volume One of the Index is arranged in separate subject categories. The first two numbers of the identifier are a number code indicating one of the eleven different subject classifications.

- GASIFICATION
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- ENERGY POLICY

The second set of two numbers indicate the year the document was published. Citations are listing under each subject category in descending chronological order.

(b) Abstracts:

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(c) Keywords:

Specific keywords have been assigned to some of the documents in the databank and they are also available on-line. VOLUME TWO: Keyword Index - consists of an alphabetical listing of keywords followed by the identifier, title and report number of the document in which they appear. These citations are also listed in descending chronological order.

VOLUME THREE: Author/Corporate Author Index -

Part One: an alphabetical listing by author surname.

Part Two: an alphabetical listing by corporate author phrase. Citations are listed in descending order in both parts of this index. The Centre maintains a full copy of the original article for reference purposes. All material in the databank can be photocopied for a small service charge. Any on-line search requests can be conducted through the Coal Technology Information Centre or through the Alberta Retrieval Association (AIRA) in Edmonton.

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Molecular weights of solubilized coal products Relationships between chemical structure and technological behavior of coal 26th Canadian conference on coal	Dynamic modeling of fluidized-bed boilers for control system design Dynamic modeling techniques for fluidized-bed systems Preliminary controller evaluation for the MERC/CTIU using a mathematical process model	Basic estimated capital investment and operating costs for underground bituminous coal mines - Mines with annual production of 1.06 to 4.99-million-tons from a 72-inch coal-bed Basic estimated capital investment and operating costs for coal strip-mines Basic estimated capital investment and operating costs for three coal mines Basic estimated capital investment and operating costs for three coal mines	High Mass Flux Coal Gasifier: Phase 1, Final Report High mass flux coal gasifier. Final report, Phase II	Fired-Heaters - II. Construction materials, mechanical features, performance monitoring	Coal utilization symposium - Focus on SO//2 emission control	Coal cleaning effects during H-coal catalytic liquefaction of a western Kentucky coal	Fossil Fuel Burning: Its effects on the biosphere and biogeochemical cycles: group report	Catalyst development program for hydrodesulfurization and liquefaction of coal to produce clean boiler fuels, Final report	Heat-transfer through coals and other naturally occurring carbonaceous rocks Proceedings of the third annual underground coal conversion symposium Convective heat-transfer through coal blocks High-temperature carbon-dioxide/oxygen-coal reaction rate experiments	Relation of coal liquefaction catalyst properties to performance	Preliminary economics of mining a thick coal seam by dragline shovel - Truck, and scraper mining systems	Coal processing technology, Volume 3 Temperature control in the Exxon fluidized-bed combustion miniplant Pressurized FBC studies II. sorbent regeneration and particulate control	Environmental aspects of the WESCO coal gasification plant	
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Second Institute on Coal Mine Health and Safety	Hydrogenation and Desulfurization of coal	From the receiving hopper to the furnace 2. Coal handling at the plant site	Instrumentation for in-situ coal gasification. II. Thermal and gas sampling diagnostic techniques	Planning and installation of high pressure water supply and hydrotransport systems at hydromine Hansa	A study of the state-of-the-art of instrumentation for process control safety in large-scale coal gasification, liquefaction, and fluidized-bed combustion systems. Final report	Ethanol, acetic acid, and/or acetaldehyde, from synthesis-gas Synthesis-gas conversion over supported rhodium and rhodium-iron catalysts	Fifth Symposium on Coal Mine Drainage Research	Effect of input size on coal washing processes	The separation of clays and major minerals in coal residues from coal and petroleum derived solvents Experimental investigation of the flotation of residue solids from liquefied coal	Some studies on a solid-state sulfur-probe for coal gasification systems	Coal processing technology, Volume IV	Dynamic flow model for low-Btu gasification of coal for electric-power generation. Final report R & D Task 9 (Phase 1)	Mathematical modeling of the gasification of coal under pressure in a stationary bed	Composition and Variation of pulverized fuel ash obtained from the combustion of sub-bituminous coal, New Zealand.	Carbon-dioxide magnetohydrodynamic laser	An economic evaluation of MHD-steam powerplants employing coal gasification coal processing technology Proceedings of the 15th symposium engineering aspects of magnetohydrodynamics combustion of coal-oil slurry in a 100-HP Firetube-Boiler
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		study of the combustion of coke-breeze in a fluidized-bed combustor
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Design and evaluation of improved surface coal mine overburden handling and coal extraction techniques

State problems in implementing the federal surface mining law	Gasification of chars produced under simulated in-situ processing conditions. Annual report for the period October 1975 - September 1976 Description, calibration, and preliminary testing of the coal liquefaction heat-transfer coefficient	measurement test unit Third Symposium on Surface-mining and reclamation, Volume II Proceedings of the Rocky-Mountain Coal Mining Institute Review of the borehole hydraulic coal mining system	Loading efficiency of shearer drums	Reduction of coal-ash deposits with magnesia treatment	Removal of water from brown-coal by treatment with steam	Third Symposium on Underground Mining	Coal conversion processes loom big as a source of hydrocarbon fuels	Proceedings of the third annual underground coal conversion symposium	Chloride corrosion and its inhibition in refuse firing	Coal - bituminous and lignite in 1976	In-situ analysis of coal using a 252Cf-Ge(Li) Borehole-Sonde	Energy Balance for the second underground coal gasification experiment, Hanna, Wyoming.	Erosion and sediment control in urbanizing areas	Coal stream composition analysis for process control using prompt neutron activation analysis	Issues relative to the development and commercialization of a coal-derived synthetic-liquids industry	Surface structure and mechanisms of gasification catalyst deactivation. Annual report, February 1976 - Januah 1977
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AUTHOR INDEX Surface structure and mechanisms of gasification catalyst deactivation, Annual Report, Feb. 1977 - Jan. 1978	A literature study of underground coal gasification	Europe's coal technology up, but production down	Conceptual design of an AFBC electric-power generating plant	Materials for coal conversion and utilization, Gaithersburg, Maryland Third annual conference on materials for coal conversion and utilization, October 10 - 12, 1978, Gaithersburg, Maryland	Materials for coal conversion and utilization, Gaithersburg, Maryland Third annual conference on materials for coal conversion and utilization, October 10 - 12, 1978, Gaithersburg,	Maryland Fourth annual conference on materials for coal conversion and utilization, October 9 - 11, 1979, Gaithersburg, Maryland	Coal by pipe. A real alternative	EPR study of the absorption of iodine by coal	Material handling systems for the fluidized-bed combustion boiler at Rivesville, West-Virginia	Performance of gas-turbines and combined-cycles operating on fuels produced by in-situ gasification of lignite	Coal Dissolution Studies: Particle size distribution in coal-derived liquids as a function of degree of coal conversion	Proceedings of the third annual underground coal conversion symposium Characterization of nitrogen compounds in tar produced from underground coal gasification Field implementation of UCC research	A computer based geolog/assaylog system for coal exploration and evaluation	Proceedings of the 15th symposium engineering aspects of magnetohydrodynamics	Fourth annual conference on materials for coal conversion and utilization, October 9 - 11, 1979, Gaithersburg, Maryland	Conference of materials for coal conversion and utilization, Germantown, Maryland Materials for coal conversion and utilization, Gaithersburg, Maryland
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First Symposium on Mine and Preparation plant refuse disposal

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